

November 30, 1999 - December 2, 1999

**NASA-DCMC  
Joint Workshop**

**Acquisition and S&MA  
In the Year 2000 and Beyond**

at the Sheraton Safari

In Orlando, Florida

## Tuesday, 11/30/99

Day's Moderator: Susan Sekira, NASA, GSFC

8:00 a.m. – 9:30 a.m.

### Opening Presentations

Fred Gregory, NASA OSMA, AA\*  
**Opening Remarks**

Major General Timothy P. Malishenko, USAF, Commander, DCMC\*  
**Current Issues in Quality Management**

9:30 a.m. – 11:00 a.m.

### **Panel Discussion:**

#### **Acquisition Reform & Its Impact**

Over the past few years, acquisition reform has taken many different forms and formats. There has been a focus on civil-military integration and contracting innovations. Government and Industry have both benefited from initiatives such as Commercial Products and Pricing, the Single Process Initiative, and Performance Based Contracting. Additionally, the partnership between Government and its suppliers has improved. This panel will discuss DOD acquisition reform initiatives; a joint initiative between the Federal Aviation Administration (FAA) and the Maintenance, Manufacturing, and Repair Committee (MMRC); and the impact on Industry from the deletion of Government standards.

Moderator: Pat Gelmetti, DCMC

Panelists: Jim Camden, NDIA  
**Supplier Control - Joint Initiative Between FAA and MMRC**

Karen Clougherty, DCMC  
**DCMC Role in Acquisition Reform**

Dale Cole, NDIA  
**National Defense Industry Association (NDIA) Survey Results: The Impact on Industry From the Deletion of Government Standards**

11:00 a.m. – Noon

Col. Thomas Fitzgerald, USAF, SMC,  
Chief Engineer and  
Deputy Director of Program Management\*  
**Air Force Operational Safety, Suitability,  
and Effectiveness (OSS&E)**

1:00 p.m. - 2:00 p.m.

Thomas Luedtke, NASA, HQ, AA for Procurement\*  
**Future Acquisition Approaches Within NASA**

2:00 p.m. – 4:00 p.m.

### **Panel Discussion:**

#### **Quality in the Year 2000 and Beyond**

With the advent of goals and strategies for combined excellence in technical and fiscal management, NASA has become more focused on the dynamics of resource utilization. Agencies other than NASA have faced similar quality challenges and formulated independent strategies for risk reduction. This panel will discuss those strategies and evaluate areas of commonality and potential syntheses with the NASA approach. The general focus will be on surveillance modes and related methods for addressing quality in the year 2000 and beyond.

Moderator: Tom Whitmeyer, NASA, GSFC

Panelists: Paul Chiodo, US Army  
**The Quality Federation and Quality Supplier Management in the 21st Century**

Rolf Ziesing, NAVSEA 08  
**The Naval Nuclear Propulsion Program Supplier Quality Assurance Oversight Program**

Dr. Michael Greenfield, NASA, HQ,  
Deputy AA, OSMA  
**NASA's Quality Initiatives**

Ella Studer, DCMC  
**DCMC Supplier Quality Assurance**

4:00 p.m. – 5:00 p.m.

Jim Lloyd, NASA, HQ  
**NASA's Safety Initiative**

## Wednesday, 12/1/99

Day's Moderator: Mike Delmont, NASA, GSFC

8:00 a.m. – 9:00 a.m.

Frank Lalumiere, DCMC, Executive Director, Program Integration\*  
**Enhancing Customer Satisfaction Through Program Integration**

9:00 a.m. – 11:00 a.m.

### **Panel Discussion:**

#### **Risk-Based Acquisition**

The NASA Administrator has called upon the Agency to become informed risk takers since NASA activities can not avoid risk when exploring the frontier of advanced research, aeronautics, and space flight. Hence, risk must be considered in all program and project life cycle phases including acquisition. To facilitate the exchange of NASA/DCMC approaches, this panel will address: NASA's Risk-Based Management (R-BAM) Initiative reflected in a new FAR; continuous risk management as a tool applied to the acquisition process and early formulation phases; and the associated technical and functional impacts.

Moderator: Bob Navarro, NASA, ARC

Panelists: Dr. Michael Greenfield, NASA, HQ,  
Deputy AA, OSMA  
**Risk -Based Acquisition Management  
(R-BAM) Initiative**

Dr. Herbert Shivers, NASA, MSFC  
**Implementation of Risk Management at  
Marshall Space Flight Center**

Robert Kennedy, DCMC  
**Supplier Risk Management**

Scott Thompson, NASA, HQ  
**Risk Based Acquisition Management**

11:00 a.m. – Noon

John Clay, Boeing Military Aircraft & Missiles  
**Manufacturing Self Exam, It's Your Choice!**

1:00 p.m. – 3:00 p.m.

### **Panel Discussion:**

#### **The Impact of Full Cost Accounting on the Work Force**

In February 1995, NASA initiated the Integrated Financial Management Program (IFMP) to implement Agency-wide solutions for its financial management and administrative processes. This panel will address the scope of NASA's IFMP; the current status of implementation; and associated technical and functional impacts, risks, and challenges. To facilitate the exchange of NASA/DCMC capabilities in support of Full Cost Accounting, this panel will address: DCMC's integrated performance/cost system and how unit cost and activity-based management "fit" into the system. In addition, this panel will show how the information is used to get better insight into DCMC's operations.

Moderator: Mike Kelly, NASA, GSFC

Panelists: Lester Kuhl, DCMC  
**Activity Based Management As  
Part of DCMC's Integrated Management System**

Joanne Sprunk, NASA, GSFC  
**Integrated Financial Management Program  
(IFMP) & Its Impact On NASA**

3:00 p.m. – 5:00 p.m.

### **Panel Discussion:**

#### **Lessons Learned**

Panel members will discuss the NASA Lessons Learned Information System (LLIS) and the process surrounding it as well as the vision for LLIS. This will be followed by an open discussion on the pros and cons associated with the use and application of lessons learned.

Lead Panelist: Ted Hammer, NASA, GSFC  
**The Future of the LLIS**

Panelists: Wayne Frazier, NASA, HQ  
**NASA LLIS**  
Jim Clawson, JPL  
**JPL Lessons Learned Process Overview and  
Project Infusion Brainstorming**

## **Thursday, 12/2/99**

Day's Moderator: Mike Delmont, NASA, GSFC

8:00 a.m. – 9:00 a.m.

John Miller, Army Research Labs  
**Federated Laboratories: Gov't-Industry-University Research  
Partnerships Focused on Grand Challenges for the Nation**

9:00 a.m. – 11:00 a.m.

### **Panel Discussion:**

#### **The Future of Software Acquisition**

This panel will address the use of commercial off the shelf (COTS) software and the metrics available to help managers make informed decisions on the best approach. Two DCMC initiatives will be discussed: one that allows customers to understand the current process maturity level of their contractors based upon the Software Engineering Institute's software capability maturity model and one dealing with continuous improvement within DCMC to provide customers with insight and analysis to reduce program risk. Additionally, software acquisition issues and processes within the U.S. Coast Guard, the Department of Transportation, and NASA will be presented and discussed.

Moderator: Debra Harrison, DCMC

Panelists: Lt. Col. Robert Lang, DCMC  
**Software Process Evaluations - DCMC  
Initiatives to Reduce Program Risk**  
CDR Scott D. Bair, U.S. Coast Guard  
**Systems Development in the Coast Guard**  
Dr. Linda Rosenberg, NASA, GSFC  
**COTS- Acquisition Metrics**

11:00 a.m. – Noon

Amanda Goodson, NASA, MSFC\*  
**Insight for NASA's Future**

1:00 p.m. – 5:00 p.m.

### **Session 1**

#### **NASA ESD Certification Training**

Garry McGuire, NASA, GSFC  
Manufacturing Technology Transfer Center\*

Participants will receive their NASA ESD (Electro Static Discharge) certification in accordance with NASA-STD-8739.7 as a result of successfully participating in this course. It will be the same course and test given at NASA's Manufacturing Technology Training Center in Lanham, MD. The material covered will include proper handling techniques, understanding the sources of charges, and how to assure that any charges generated are controlled below harmful limits.

1:00 p.m.– 5:00 p.m.

### **Session 2**

#### **Fiber Optics in Space**

John Kolasinski, NASA, GSFC\*

This session will cover: what is fiber optics, basic theory, how and why is it used in general and by NASA. A discussion and explanation of key fiber optic components as well as the differences between commercial and aerospace applications and how those drive requirements, satellite integration, and testing methodology will be included. The session will conclude with past problems, lessons learned, and suggestions on follow-on information sources. Emphasis will be on audience interaction with the speaker. Displays and photos of spaceflight hardware components as well as hands-on demonstrations will be included to encourage audience participation and to emphasize key concepts.

1:00 p.m. – 5:00 p.m.

### **Session 3**

#### **Fulfilling Your Potential**

#### **The NASA Academy of Program and Project Leadership (APPL)**

Dr. Ed Hoffman, NASA, HQ\*

This presentation will provide an overview of APPL as well as its important and impact to your personal career. It will provide some thought provoking ideas on paths your career might take through training and higher education. It will explain what APPL is; how it will benefit you, your career development, and NASA; and what tools it puts at your disposal to assist you in your career development.

#### **SOLAR**

Wil Harkins, NASA, HQ\*

This presentation will provide an overview of SOLAR and its capabilities for assisting Safety and Mission Assurance practitioners in their professional development. The on-line demonstration will provide users with an understanding of the scope of SOLAR and how to access the NASA training material available through SOLAR.

1:00 p.m. – 5:00 p.m.

### **Session 4**

#### **Earned Value Management System**

Bill Gibson, DCMC\*

This session will review how DCMC, as the Executive Agent for DoD, has been leading the way in plowing new ground in EVMS. This will include how the recent adoption of a self-developed Maturity Model for government processes has been instrumental in reducing variation throughout the Command. Additionally, a discussion on EVMS System Reviews will be included as the presenter gives his thoughts on the lessons learned.

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|------------|--|--|--|------------|
| 8:00 a.m.  | Day's Moderator: Susan Sekira  | Day's Moderator: Mike Delmont  | Day's Moderator: Mike Delmont  | 8:00 a.m.  |
| 9:00 a.m.  | <b>Opening Presentations:</b><br>Fred Gregory/NASA   | <b>Enhancing Customer Satisfaction Through Program Integration</b><br>Frank Lalumiere/DCMC                                 | <b>Federated Laboratories: Government-Industry-University Research Partnerships Focused on Grand Challenges for the Nation</b><br>John Miller/Army Research Labs | 9:00 a.m.  |
| 9:30 a.m.  | <b>Opening Remarks</b><br>Major General Malishenko/DCMC  |  |  | 9:30 a.m.  |
|            | <b>Current Issues in Quality Management</b>  | <b>Panel Discussion:</b><br><b>Risk-Based Acquisition</b><br>Moderator: Bob Navarro/NASA/ARC                               | <b>Panel Discussion:</b><br><b>The Future of Software Acquisition</b><br>Moderator: Debra Harrison/DCMC  |            |
| 11:00 a.m. | <b>Panel Discussion:</b><br><b>Acquisition Reform &amp; Its Impact</b><br>Moderator: Pat Gelmetti/DCMC       |  |  | 11:00 a.m. |
|            | <b>Air Force OSS&amp;E</b><br>Col. Thomas Fitzgerald/USAF/SMC  | <b>Manufacturing Self Exam, It's Your Choice!</b><br>John Clay/Boeing  | <b>Insight for NASA's Future</b><br>Amanda Goodson/NASA/MSFC   |            |
| Noon       |  |  |  | Noon       |
| 1:00 p.m.  | Lunch  | Lunch  | Lunch  | 1:00 p.m.  |
|            | <b>Future Acquisition Approaches Within NASA</b><br>Thomas Luedtke/NASA/HQ                                   | <b>Panel Discussion:</b><br><b>The Impact of Full Cost Accounting on the Work Force</b><br>Moderator: Mike Kelly/NASA/GSFC | Each attendee pre-registers for 1 of the 4 listed sessions which run from 1:00 to 5:00 p.m. The limited space is available on a first registered basis.          |            |
| 2:00 p.m.  | <b>Panel Discussion:</b><br><b>Quality in the Year 2000 and Beyond</b><br>Moderator: Tom Whitmeyer/NASA/GSFC |  | <b>Session 1</b><br><b>NASA ESD Certification Training</b><br>Garry McGuire<br>NASA/GSFC   | 2:00 p.m.  |
| 3:00 p.m.  |  | <b>Panel Discussion</b><br><b>Lessons Learned</b><br>Moderator: Ted Hammer/NASA/GSFC                                       | <b>Session 2</b><br><b>Fiber Optics in Space</b><br>John Kolasinski<br>NASA/GSFC   | 3:00 p.m.  |
| 4:00 p.m.  | <b>NASA's Safety Initiative</b><br>Jim Lloyd/NASA/HQ   |  | <b>Session 3</b><br><b>Fulfilling Your Potential</b><br>Dr. Ed Hoffman<br>NASA/HQ<br>Wil Harkins,<br>NASA/HQ   | 4:00 p.m.  |
| 5:00 p.m.  |  |  | <b>Session 4</b><br><b>Earned Value Management System</b><br>Bill Gibson,<br>DCMC  | 5:00 p.m.  |